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### [PDF] **6 SUPERVISED NEURAL NETWORKS FOR CLUSTERING CONDITIONS IN DNA ...**

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 ... If a **supervised** method (a back propagation **neural** network) is used instead of an **unsupervised** method, the efficiency of the classification of ...

[bioinfo.cnio.es/docus/papers/pdfs/6-Mateos\\_Final.pdf](http://bioinfo.cnio.es/docus/papers/pdfs/6-Mateos_Final.pdf) - [Similar pages](#)

 [PDF] **Javier Herrero Javier Herrero , , Álvaro Mateos Álvaro Mateos ...**

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 ... A. and Dopazo, J. (2001) A hierarchical **unsupervised** growing **neural** ... J. & Dopazo, J. (2002) **Supervised Neural Networks For Clustering** Conditions In DNA ...

[bioinfo.cnio.es/~jherrero/docs/posters/EACR\\_Granada\\_2002\\_small.pdf](http://bioinfo.cnio.es/~jherrero/docs/posters/EACR_Granada_2002_small.pdf) - [Similar pages](#)

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### Citations: **Supervised and hierarchical unsupervised neural ...**

 A. Mateos, J. Herrero, J. Tamames, and J. Dopazo, '**Supervised and hierarchical unsupervised neural networks for clustering** both gene expression pro les and ...

[citeseer.nj.nec.com/context/2076980/0](http://citeseer.nj.nec.com/context/2076980/0) - 8k - [Cached](#) - [Similar pages](#)

### Citations: Knowledge Discovery with **Supervised and Unsupervised ...**

 ... Knowledge Discovery with **Supervised and Unsupervised Self Evolving Neural Networks**. In Yamakawa and Matsumoto [117], pages 907 910. **Clustering of the Self ...**
[citeseer.nj.nec.com/context/1498229/0](http://citeseer.nj.nec.com/context/1498229/0) - 10k - [Cached](#) - [Similar pages](#)

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### TDAN Ben Hitt - Data Prospecting and Mining

 ... **Neural** networks are of no help to the analyst when the ... **Supervised** techniques cannot address this issue. ... INTRODUCING **UNSUPERVISED** ADAPTIVE PATTERN RECOGNITION. ...

Description: By Ben A. Hitt, Ph.D. - American Heuristics Corporation. Automated tools must be developed to help...

 Category: [Computers](#) > [Software](#) > ... > [Data Mining](#) > [Online Publications](#)
[www.tdan.com/i008hy01.htm](http://www.tdan.com/i008hy01.htm) - 15k - [Cached](#) - [Similar pages](#)

### **Supervised Training Using an Unsupervised Approach to Active ...**

 ... **Supervised** Training Using an **Unsupervised** Approach to ... Active learning algorithms allow **neural** networks to ... which combines an **unsupervised clustering** of training ...

[portal.acm.org/citation.cfm?id=589483&dl=ACM&coll=GUIDE&CFID=11111111&CFTOKEN=2222222](http://portal.acm.org/citation.cfm?id=589483&dl=ACM&coll=GUIDE&CFID=11111111&CFTOKEN=2222222) - [Similar pages](#)

### CAMDA - Critical Assessment of Microarray Data Analysis - Duke ...

 CAMDA'01: Submitted Abstract **Supervised and hierarchical unsupervised neural networks for clustering** both gene expression profiles and samples. ...

[www.camda.duke.edu/CAMDA01/Abstracts/Mateos.asp](http://www.camda.duke.edu/CAMDA01/Abstracts/Mateos.asp) - 14k - [Cached](#) - [Similar pages](#)

### [PDF] **Supervised and Unsupervised Neural Network Methods applied to ...**

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 ... we employ **supervised** and **unsupervised neural** network architectures ... More specifically, a **supervised neural** network architecture ... aimed at **clustering** and labeling ...

[rtsimage.di.uoa.gr/publications/j\\_math.pdf](http://rtsimage.di.uoa.gr/publications/j_math.pdf) - [Similar pages](#)

**UNSUPERVISED ADAPTIVE CLUSTERING FOR DATA PROSPECTING & DATA ...**

... Finally, the **neural** network is a **supervised** technique. ... **Supervised** techniques cannot address this issue. ... Introducing **Unsupervised** Adaptive Pattern Recognition. ...

www.hpcwire.com/dsstar/97/1104/100026.html - 8k - [Cached](#) - [Similar pages](#)

**IEEE Xplore: A comparison of neural network and fuzzy clustering ...**

... original data with three approaches: the literal and approximate fuzzy c-means **unsupervised clustering** algorithms, and a **supervised** computational **neural** network ...

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### GEPAS: Documentation

... J. & Dopazo, J.(2002) **Supervised Neural Networks** For ... Data After Reducing Noise By **Clustering** Gene Expression ... and J. Dopazo (2002) **Unsupervised** Reduction of the ...  
 gepas.bioinfo.cnio.es/docs/ - 15k - [Cached](#) - [Similar pages](#)

### [ee-talks] Talk, Neural Networks, Dr. NB.Karayiannis, University ...

... constructing **supervised** and **unsupervised neural** network models that can be employed in biomedical applications involving pattern classification and **clustering**. ...  
 www.ee.ethz.ch/~slist/ee-talks/msg00083.html - 7k - [Cached](#) - [Similar pages](#)

### [PDF] Growing Radial Basis Neural Networks: Merging Supervised And ...

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... These include **unsupervised** algorithms for **clustering** and learning ... for training single-layer linear **neural** networks. A **supervised** learning scheme based on the ...  
 www.egr.uh.edu/ece/faculty/karayiannis/ Karayiannis\_tnn\_8(6)\_97.pdf - [Similar pages](#)

### Web Project #1 -- Unsupervised Learning

... the goal with decision trees, **unsupervised** learning is ... classification is done with a **clustering** algorithm ... in the input data that **supervised neural** networks were ...  
 www.cs.brandeis.edu/~cs113/classprojects/~jlittman/cs113/ Web\_Project\_\_231\_--\_Unsupervised\_Learning.html - 8k  
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### Supervised Learning and Unsupervised Learning

... **Unsupervised** Learning and Generalization. ... 1998. Learning Theory and Generalization for **Neural Networks** and Other **Supervised** Learning Techniques. ...  
 ciir.cs.umass.edu/~fuchun/readlist\_all/ readlist/node14.html - 7k - [Cached](#) - [Similar pages](#)

### [PDF] Novel Approaches to Semi-supervised and Unsupervised Learning

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... past decade attempts to combine **supervised** and **unsupervised** learning (Miller ... Examples of **supervised** learning algorithms include **neural** networks, deci ...  
 www.adass.org/adass/proceedings/ adass02/reprints/P4-13.pdf - [Similar pages](#)

### Supervised and Unsupervised Methods

... outcome of machine learning (see **Neural Networks** for ... Generally one can say that **unsupervised** methods perform ... job of **clustering** whilst **supervised** methods are ...  
 www.ucl.ac.uk/oncology/MicroCore/ HTML\_resource/Sup\_Unsup.htm - 3k - [Cached](#) - [Similar pages](#)

### Information Systems Technology

... **Supervised** Training, Combine **Unsupervised- Supervised** Training, **Unsupervised** Training (**Clustering**). **Neural Network** Algorithms, Back-Propagation (MLP) Hypersphere ...  
 Description: A software package developed at MIT Lincoln Laboratory which integrates more than 20 **neural** network,...  
 Category: [Computers](#) > [Artificial Intelligence](#) > [Machine Learning](#) > [Software](#)  
 www.il.mit.edu/IST/lnknet/ - 18k - [Cached](#) - [Similar pages](#)

### Publications of the Bioinformatics Unit

... Herrero, J. & Dopazo, J. (2002) **Unsupervised** reduction of the dimensionality followed by **supervised** learning with ... **Neural Networks** for Signal Processing XII. ...  
bioinformatica.cnio.es/docus/papers/publications.html - 12k - [Cached](#) - [Similar pages](#)

### Microarray

... with opposition to **unsupervised** or automatic **clustering**: user does not know the number of class With **neural** network, we usually call **supervised** learning and ...  
genopole.toulouse.inra.fr/bioinfo/microarray/ index.php?page=fonction&domaine= - 43k - [Cached](#) - [Similar pages](#)

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### [PDF] Financial Forecasting Through **Unsupervised Clustering** and ...

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 ... The **unsupervised** 4 -windows algorithm generalizes the ... Al- gorithms Artificial Feedforward **Neural Networks** (FNNs ... The efficient **supervised** training of FNNs is the ...

[www.math.upatras.gr/~dtas/papers/PavlidisTV2003\\_a.pdf](http://www.math.upatras.gr/~dtas/papers/PavlidisTV2003_a.pdf) - [Similar pages](#)

### Statistical Learning and Data Mining

 ... Definitions and examples of **supervised** and **unsupervised** learning problems. ... MARS, PRIM (Patient rule induction method), **neural networks**. ...

[www-stat.stanford.edu/~hastie/MRC/sldmpa.html](http://www-stat.stanford.edu/~hastie/MRC/sldmpa.html) - 11k - [Cached](#) - [Similar pages](#)

### Introduction: Document Classification

 ... self-organizing maps [48], hierarchically organized **neural** network built ... The learning scheme lies somewhere between **supervised** and **unsupervised**, where the ...

[isp.imm.dtu.dk/thor/projects/multimedia/ textmining/node11.html](http://isp.imm.dtu.dk/thor/projects/multimedia/ textmining/node11.html) - 10k - [Cached](#) - [Similar pages](#)

### [PDF] IMM Publikationsdatabase

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 ... Intelligent Signal Processing **Unsupervised** Learning Identification ... in combination with **supervised** learning Methods ... **clustering** using RBF **neural networks** Novelty ... [isp.imm.dtu.dk/presentation/isppre.pdf](http://isp.imm.dtu.dk/presentation/isppre.pdf) - [Similar pages](#)
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### Methods

 ... **supervised**, Fisher, linear classifiers, Logit-model. Logistic Regression, **Neural Networks**, Decision Trees. **unsupervised**, **Clustering**, Mask-Analysis, Anova. ...

[www-lehre.informatik.uni-osnabrueck.de/~ftprang/papers/tproject/node18.html](http://www-lehre.informatik.uni-osnabrueck.de/~ftprang/papers/tproject/node18.html) - 12k - [Cached](#) - [Similar pages](#)

### IRIDIA Projects

 ... Using a **neural** network approach, an original **unsupervised** ... Recently, **unsupervised** techniques were also developed for interacting with **supervised** ones. ...

[iridia.ulb.ac.be/Projects/class.html](http://iridia.ulb.ac.be/Projects/class.html) - 13k - [Cached](#) - [Similar pages](#)

### [PDF] Evolving Fuzzy Neural Networks for Supervised/Unsupervised On-line ...

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 ... of Systems, Man and Cybernetics, Part B – Cybernetics (2001), vol31,No.6, December,2001  
1 Evolving Fuzzy Neural Networks for **Supervised/Unsupervised** On-line ...

[divcom.otago.ac.nz/infosci/kel/CBIIS/ pubs/pdf/kas-smc-2001.pdf](http://divcom.otago.ac.nz/infosci/kel/CBIIS/ pubs/pdf/kas-smc-2001.pdf) - [Similar pages](#)

### KSC: Progress Report

 ... principal components via either **unsupervised** or **supervised** ... for use by subsequent **supervised** techniques. ... **clustering**, maximum likelihood, and **neural networks**. ...

[www.csr.utexas.edu/projects/rs/kscclass.html](http://www.csr.utexas.edu/projects/rs/kscclass.html) - 11k - [Cached](#) - [Similar pages](#)

### Inductive Solutions, Inc. - NNETSHEET Neural Networks

 ... **supervised** learning corresponds to statistical non-linear discriminant analysis;

**neural network unsupervised** learning corresponds to statistical **clustering** and ...  
www.inductive.com/softnet.htm - 24k - [Cached](#) - [Similar pages](#)

### ADASS 2002 Conference Proceedings

... decade attempts to combine **supervised** and **unsupervised** learning (Miller ... Examples of **supervised** learning algorithms include **neural** networks, decision ...  
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 ... 4BA4 **Unsupervised** NNs 4 **Supervised** Learning \$ % \$ % \$ e ... 4BA4 **Unsupervised** NNs 12  
 Neighbourhoods • Each time a ... is inputted into the **neural** network during ...

[www.cs.tcd.ie/Padraig.Cunningham/4ba4/01-60.pdf](http://www.cs.tcd.ie/Padraig.Cunningham/4ba4/01-60.pdf) - [Similar pages](#)

### [PDF] 6.867 Machine learning and **neural** networks

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 6.867 Machine learning and **neural** networks Tommi Jaakkola ... Types of learning problems:

 1. **Supervised** learning (with a teacher) 2. **Unsupervised** learning (no ...

[www.ai.mit.edu/courses/6.867-f01/lectures/lecture-1.pdf](http://www.ai.mit.edu/courses/6.867-f01/lectures/lecture-1.pdf) - [Similar pages](#)

### [PDF] **Supervised** and **Unsupervised** Pattern Recognition: Feature ...

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 ... focused mainly on models of the **supervised** learning type ... the ALOPEX algorithm to perform  
**unsupervised** learning ... is a layered self-organizing **neural** network model ...

[www.co.umist.ac.uk/~mcasskc2/research/publication/tnn\\_bookreview.pdf](http://www.co.umist.ac.uk/~mcasskc2/research/publication/tnn_bookreview.pdf) - [Similar pages](#)

### Behnam B. Malakooti, Ph.D., PE

 ... 2000; Malakooti, B., V. Raman, "**Clustering** and Selection of Multiple Criteria  
 Alternatives using **Unsupervised** and **Supervised Neural Networks**", Journal of ...

[vorlon.ces.cwru.edu/~bxm4/pub.html](http://vorlon.ces.cwru.edu/~bxm4/pub.html) - 14k - [Cached](#) - [Similar pages](#)

### Sophistication

 ... components extraction, and **clustering** networks. ... of algorithms for training **supervised**  
**neural** networks ... **Unsupervised** algorithms and **clustering** Trajan supports the ...

[www.trajan-software.demon.co.uk/Sophistication.htm](http://www.trajan-software.demon.co.uk/Sophistication.htm) - 7k - [Cached](#) - [Similar pages](#)

### Data Mining: A Tutorial Based Primer

 ... Attribute Evaluation. **Unsupervised** Evaluation Techniques. Evaluating **Supervised** Models  
 with Numeric Output. ... A Four-Step Approach for **Neural Network Clustering**. ...

[www.statistics.com/content/bookstore/datamine/Roiger.php3](http://www.statistics.com/content/bookstore/datamine/Roiger.php3) - 26k - [Cached](#) - [Similar pages](#)

### Learning Texture Discrimination Rules in a Multiresolution System

 ... system; informative discrimination rules; **supervised** learning; **unsupervised** learning;  
 statistical ... learning; rule-based **neural** networks; frequency ...

[csdl.computer.org/comp/trans/tp/1994/09/i0894abs.htm](http://csdl.computer.org/comp/trans/tp/1994/09/i0894abs.htm) - 12k - [Cached](#) - [Similar pages](#)

### **Unsupervised** document classification using sequential information ...

 ... Iterative Double **Clustering** for **Unsupervised** and Semi-**supervised** Learning. In  
 Proc. of **Neural** Information Processing Systems (NIPS-14), 2002, to appear. ...

[portal.acm.org/citation.cfm?id=564401&dl=ACM&coll=GUIDE&CFID=11111111&CFTOKEN=2222222](http://portal.acm.org/citation.cfm?id=564401&dl=ACM&coll=GUIDE&CFID=11111111&CFTOKEN=2222222) - [Similar pages](#)
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### [PPT] Connectionism: **unsupervised neural** networks AI 2003-4: CM3331-3 ...

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... Mark A. O'Connor 2003. Other **Unsupervised** Techniques. **Neural** networks based on Hebbian learning. ... Mark A. O'Connor 2003. **Unsupervised** v. **Supervised**. ...  
www.soc.staffs.ac.uk/mo3/SOM/Connectionism.ppt - [Similar pages](#)

[PPT] [Self-Organizing Map for anomaly detection](#)

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... The evolution of the most popular artificial **neural** networks. Why SOM ? **Supervised** Learning and **Unsupervised** Learning. **Clustering**. Classification. Monitoring. ...

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